International application No.

				PCT/AU2006/	001059		
A. C	LASSIFICATION OF SUBJECT MATT	ER					
Int. C							
A61K 31/728		4	A61P 35/00 (2006.01)				
	nternational Patent Classification (IPC) or	to both n	ational classification and IPC				
	TELDS SEARCHED						
	nentation searched (classification system follo	wed by cla	ssification symbols)				
-	searched other than minimum documentation			ed in the fields search	ned		
1							
Electronic data MEDLINE, CA61K 31/728	pase consulted during the international search CAPLUS, WIPDS; Hyaluronan, hyalus (2006.01)	(name of d ronic aci	lata base and, where practicable, s id, hyaluronate, beta-glucur	earch terms used) onidase, treatmer	nt, therapy,		
·	TS CONSIDERED TO BE RELEVANT						
Category*	Citation of document, with indication, v	here appr	ropriate, of the relevant passag	es	Relevant to claim No.		
x	WO 2003/018062 A1 (MEDITECH RESEARCH LIMITED) 06 March 2003 See Examples 5, 6 and 7; page 16 lines 1-2; page 13 lines 4-12 and page 16 lines 12-17. 1-3, 11 20-28 41, and						
x	WO 2002/005852 A1 (MEDITECH RESEARCH LIMITED) 24 January 2002 See Example 3; description of figures; page 9 lines 30-34 and page 10 lines 30-37.						
WO 2000/041730 A1 (MEDITECH RESEARCH LIMITED) 20 July 2000 see Summary of the Invention; Examples 2 and 10; page 17 line 37 and page 9 lines 30-34 4							
X 1	Further documents are listed in the co	ntinuatio	n of Box C X See	patent family an	nex		
"A" docume	categories of cited documents: ent defining the general state of the art which is sidered to be of particular relevance	Ç	ater document published after the inte- conflict with the application but cited underlying the invention	to findstateme me hance	this of fittory		
"E" carlier	application or patent but published on or after the tional filing date	(document of particular relevance; the or cannot be considered to involve ar	inventive step when th	e document is taken		
"L" docum	"L" document which may throw doubts on priority claim(s) "Y" doc			claimed invention can cument is combined wi eing obvious to a persor	III Offic of those arres		
"O" docum	ent referring to an oral disclosure, use, exhibition ar means		document member of the same patent				
"P" docum	ent published prior to the international filing date or than the priority date claimed						
	tual completion of the international search		Date of mailing of the interna	ational search report	2 2 SEP 2006		
22 August	2006		Authorized officer	· · · · · · · · · · · · · · · · · · ·			
,	ailing address of the ISA/AU		LIBRIOII 1904 Presson		•		
PO ROX 200	AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA			NIZNIK, Tamara			
F-mail addres	ss: pct@ipaustralia.gov.au . (02) 6285 3929	Telephone No : (02) 6283	Telephone No: (02) 6283				

International application No.
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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
	ROSENTHAL et al. "Phase I and pharmacokinetic evaluation of intravenous hyaluronic acid in combination with Doxorubicin or 5-Fluorouracil." Chemotherapy, 09 May 2005 Vol. 51, pages	
x .	132-141. See page 136 column 1 last paragraph; 140 column 2 last paragraph; and page 135 third paragraph.	1-3, 17, 20-28 41, and 44-48
x	WO 1997/020564 A1 (HYAL PHARMACEUTICAL CORPORATION) 12 June 1007 See Summary of the Invention; page 8 lines 15-26 and 28-36; page 10 line 4 – page 13 line 2.	1-4, 11, 14, 17, 20-29, 35, 38, 41, and 44-48
x	WO 1995/030423 A1 (NORPHARMCO INC.) 16 November 1995 See Summary of the Invention and page 14 line 5 – page 18 line 2.	1-4, 17, 20-29 41, and 44-48
, X	WO 1991/004058 A2 (NORPHARMCO INC.) 04 April 1991 See Summary of the Invention	1-4, 11, 14, 17 20-29, 35, 38, 41, and 44-48
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Box No. II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This interna	tional search report has not been established in respect of certain claims under Article 17(2)(a) for the following
1.	Claims Nos : because they relate to subject matter not required to be searched by this Authority, namely:
2.	Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3.	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)
Box No. II	I Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This Intern	ational Searching Authority found multiple inventions in this international application, as follows: pplementary box
1.	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2.	As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of additional fees.
3.	As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. X	No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-48
Remark	on Protest The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
	The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
	No protest accompanied the payment of additional search fees.

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Supplemental Box

(To be used when the space in any of Boxes I to VIII is not sufficient)

Continuation of Box No: III

This International Application does not comply with the requirements of unity of invention because it does not relate to one invention or to a group of inventions so linked as to form a single general inventive concept.

In assessing whether there is more than one invention claimed, I have given consideration to those features which can be considered to potentially distinguish the claimed combination of features from the prior art. Where different claims have different distinguishing features they define different inventions.

This International Searching Authority has found that there are different inventions as follows:

- Claims 1-48 directed to formulations comprising hyaluronan (HA) and a therapeutic agent, or methods
 of treatment comprising administration of said formulation wherein said treatment modulates the
 activity of beta-glucuronidase.
- Claims 49-53 directed to a pharmaceutical composition comprising a formulation comprising hyaluronan (HA) and a therapeutic agent, when used to treat cancer.
- 3) Claims 54-56 directed to a method of treatment comprising administration of a formulation comprising hyaluronan (HA) and a therapeutic agent, wherein said formulation or a component thereof modulates the activity of drug transport proteins.

PCT Rule 13.2, first sentence, states that unity of invention is only fulfilled when there is a technical relationship among the claimed inventions involving one or more of the same or corresponding special technical features. PCT Rule 13.2, second sentence, defines a special technical feature as a feature which makes a contribution over the prior art.

The only feature common to all of the claims is the formulation comprising hyaluronan (HA) and a therapeutic agent. However this concept is not novel in the light of:

WO 2002005852 A1 (MEDITECH RESEARCH LIMITED) 24 January 2002, which discloses compositions comprising hyaluronan and a chemotherapeutic agent.

This means that the common feature can not constitute a special technical feature within the meaning of PCT Rule 13.2, second sentence, since it makes no contribution over the prior art.

Because the common feature does not satisfy the requirement for being a special technical feature it follows that it cannot provide the necessary technical relationship between the identified inventions. Therefore the claims do not satisfy the requirement of unity of invention a posteriori.

Information on patent family members

International application No.

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This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

	ocument Cited in arch Report	Patent Family Member					
WO C	3018062	CA	2458856	CN	1578677	EP	1427447
– –		MX	PA04001828	US	2005042303		
WO (0205852	AU	72202/01	CA	2382560	CN	1388760
		EP	1301209	GB	2368525	NZ	517359
		US	2003180382	US	2005267069	US	2006178342
		ZA	200201561				
WO (0041730	ΑŲ	24231/00	CA	2370003	CN	1336828
		EP	1140198	NZ	512676	ZA_	200105492
WO :	9720564	AU	76878/96	BR.	9611671 .	CA	2164260
		CA	2173037	EP	0869798	HU	9901935
		NO	982441	PL	326970	ZA	9610039
WO 9530423	ΑP	175	AP	448	ΑP	475	
		АP	476	ΑP	618	AU	14850/97
		ΑU	23008/95	AU	24023/95	AU	31595/95
		ΑÙ	34888/93	ΑŬ	34889/93	AU	42732/97
		AU	48126/93	AU	52274/93	AU	64222/94
		AU	64330/90	AU	70224/96	AU .	72721/96
		BR	9006924	BR	9307221	CA	2042034
		CA	2061566	CA	2061703	CA	2079205
		CA	2122519	CA	2122551	CA	2131130
		CA	2145605	CA	2268476	CN	1051503
		CN	1078388	CN	1084064	CN	1092654
		CN	1130532	CN	1151118	CZ	9300229
		CZ	9300230	CZ	9500662	CZ	9603089
		EP	0445255	EP	0626863	EP	0626864
		EP	0656213	EP	0661981	EP	0758246
		EP	0760667	EP	0778776	EP	0952855
		FI	943789	HK	35397	HK	44797 .
		нĸ	1005982	HK	1005983	HK	1005985
•		· HU	64699	HU	70440	HU	73637
		HÜ	75089	HU	75868	HU	76846
	•	HU	9500650	HU	9500651	HU	9500652

INTERNATIONAL SEARCH REPORT Information on patent family members			International application No. PCT/AU2006/001059				
	HU	9500656	IL.	95745	IN	171745	
	IN	175918	IN	178280	IN	179130	
	IN	181288	IN	181289	IN .	182267	
	IN -	182348	IN	182376	LT	1582	
	MD	960294	MD	960307	MX .	9300904	
	MX	9300905	MX	9305887	NO	911952	ł
	NO ·	943044	NO	951122	NZ	249071	
	NZ	249072	NZ	255978	NZ	299280	
	NZ	299281	NZ	299942	NZ	335259]
	PL	308201	SG	48845	SG	49658	
	SG	49874	SG	52416	SK	11093	
	· SK	11193	S K	36895	sk	137996	
		459890	US	5614506	US	5639738	
	US	5792753	US	5811410	US	5817642	
	UŞ	5817644	US	5824658	US	5827834	İ
	US	5830882	us	5834444	US	5852002	
	US	5910489	us	5914314	US	5914322	
	US	5929048	US	5932560	บร	5942498	
	US -	5962433	US	5972906	US	5977088	
	US	5985850	US	5985851	US	5990095	
	US	5990096	US	6017900	US	6022866	
	US	6048844	US	6069135	บร	6087344	
	us	6103704	US	6114314	US	6136793	•
	US	6140312	US	6147059	US	6194392	-
	US	6218373	US	6475795	US	·6852708	
	US	2002077314	US	2003036525	US	2004019011	
	US	2006128655	wo	9104058	wo	9316732	
	wo	9316733	wo	9407505	wo	9526193	
	wo	9529683	wo	9606622	WO	9817320	
	ZA	9007564	ZA	9301174	ZA	9307068	
	ZA	9507223				· · · · · · · · · · · · · · · · · · ·	
WO 9104058	AP	175	AP	448	AP	475	
	AP	476	AP	618	AP	9000206	
	AP	9300491	, AP	9300492	AP	9300568	
	AP	9500756	TA	131068	AT	141054	
	AT	200736	ΑT	227587	ΑT	244020	
	AU	670117	AU	674894	AU	674894	

Information on patent family members

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	ΑÜ	768058	ΑŬ	14850/97	AU	23008/95	.
	ΑU	24023/95	AU	31595/95	AU	34888/93	
	· AU	34889/93	ΑÚ	42732/97	ΑÜ	48126/93	
	AU	52274/93	AU	64222/94	AU	64330/90	
	υA	70224/96	A U	72721/96	BR	9006924	
	BR	9307221	CA	1340994	CA	2042034	
,	CA	2061566	CA	2061566	. CA	2061703	
	CA	2061703	CA	2079205	CA	2079205	
	CA	2122519	ĊA	2122519	CA	2122551	l
	CA	2131130	CA	2145605	CA	2268476	
	CN	1051503	CN	1057908	CN	1078388	
	· CN	1084064	CN	1092654	CN	1101228	
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	CZ	288986	· cz	290534	CZ	290637	
	CZ	9300229	. CZ	9300230	CZ	9500662	
	CZ	9603089	. DE	69024039	DE	69034018	
	DE	69303931	DE	69330180	DE	69333072	
	DE	69634993	DK	445255	DK	626863	
	DK	626864	DK	661981	DK	656213	
	EP	445255	EP	626863	EP	626864	
	EP	656213	EP	661981	EP	758246	
	EP	760667	EP	778776	EP	952855	
	ES	2080837	ES	2091031	ES	2156124	
	ES	2186693	ES	2202311	. FI	113522	
	FI	912470	· FI	943789	GR	3021171	•
	GR	3036164	HK	35397	HK	44797	•
	HK	1005982	HK	1005983	HK	1005985	
	HU	64699	HU	70440	HU	73637	
	. HU	75089	HU	75868	.HU	76846	
	HU	211689	HÜ	211698	HU -	211823	٠.
	HU	211953	HU	220758	HU	907339	
	HU	9303282	HU	9303283	HU	9500650	
	HU	9500651	HU	9500652	HU	9500656	-
	нÙ	9500857	HU	9602965	п	95745	
	IL	104796	· IL	104797	${\rm I\!L}$	107087	
	П.	114914	IN	171745	IN	175918	

International application No.

Information on patent family members

PCT/AU2006/001059

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ľN	178280	IN	179130	IN	181288	
IN	181289	IN	182267	IN	182348	ļ
IN	182376	JР	3256761	JP	3742955	
JP	4504579 .	JP	7506812	JP	7507054	
JP	8506797	JP _.	9512537	æ	9512797	
JP	10504828	LT	1582	. LT	3545	
MD	960294	MD	960307	ΜX	9300904	
MX	9300905	MX	9305887	NO	309457	
NO	312939	NO	911952	ИО	943044	i
NO	951122	NZ	249071	NZ	249072	
NZ	299942	NZ	335259	PL	173211	
PL	308201	PT	626863	PT	626864	
RO	112812	RO	117499	RU	2146139	
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US	5910489	US	5914314	US	5914322	
US	5929048	US	5932560	Λ̈́2	5942498	
US	5962433	US	5972906	ŃS	5977088	
ŲS	5985850	ÜS	5985851	US	5990095	
US	5990096	US	6017900	US	6022866	
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US	6103704	US	6114314	US	6136793	
บร	6140312	US	6147059	US	6194392	
US	6218373	US	6475795	บร	6852708	٠
US	2002077314	US	2003036525	US	2004019011	
UŚ	2006128655	wo	9104058	WΟ	9104058	
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wo	9526193	wo	9529683	WO	9530423	
wo	9606622	WO	9817320	ZA	9007564	
ZA	9301174	ZA	9307068	ZA	9507223	-
			A		tiod sings May 200	۱

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX